

MANUFACTURING EXTENSION PARTNERSHIP

Success Stories from the Field

D & E Machining Inc

Northwest Pennsylvania Industrial Resource Center

D&E Machining Improves Set-Up Times

Client Profile:

D&E Machining machines various materials, including steels, cast iron, non-ferrous, exotics and plastics. The company was founded in 1993 and currently employs 50 people at its facility in Corry, Pennsylvania.

Situation:

D&E Machining wanted to improve the set-up times on its CNC bar machines, which traditionally have the highest scrap rate, and turned to the Northwest Pennsylvania Industrial Resource Center (NWIRC), a NIST MEP network affiliate, for assistance.

Solution:

NWIRC introduced the company to Megan Burns from Operations Strategy Consulting, LLC (OSC), who observed two set-ups, a baseline and a comparison. The set-up that was observed and used as the baseline took 1 hour 16 minutes and 12 seconds. Based on the observed set-ups and analysis, OSC identified steps to reduce the set-up times on the bar machines. A later set-up was observed and used as a comparison. That set-up took a total of 1 hour 7 minutes and 12 seconds to complete. OSC's analysis demonstrated that D&E could reduce their set-up times by as much as 15 minutes and 30 seconds.

Results:

- * Reduced set-up time by 20 percent.
- * Projected savings of \$10,000.

Testimonial:

"We have experienced a significant reduction in set-up time, which will lead to significant cost savings. NWIRC's knowledge of regional consultants and their encouragement during the term of the project helped insure its success."

Ron Holl, President/Owner